WHY **TRIFOCAL** INTRAOCULAR LENSES?

FOR CLEAR **VISION WITHOUT GLASSES**

PATIENT INFORMATION | Cataract treatment

Insert your logo here

OK, I HAVE A CATARACT. NOW WHAT?

WE UNDERSTAND YOUR CONCERNS – WE CAN HELP.

Dear patient,

Learning that you have a cataract and that it is affecting your vision can make you feel uneasy and worried. Fortunately, there are advanced medical options available today that not only treat cataracts, but that can also help correct other vision disorders you might have, allowing you to see clearly again without glasses.

Our highly qualified team of experts has used these advanced technologies to help many patients like you regain their vision again.

Learn more about these modern treatment methods and how they may help you with your specific vision needs, including the possibility of freedom from glasses.

WHY AM I AFFECTED?
CATARACTS ARE COMMON.

What is a cataract?

A cataract is a gradual clouding of the natural lens of the eye, affecting most people sooner or later. In fact, many people over the age of 50 have some form of cataract.

How do cataracts occur?

A cataract forms when the natural lens of the eye becomes increasingly cloudy due to a change in the protein structure. The lens focuses light on the retina in the back of the eye to form a clear image. With a cataract, the lens becomes cloudy and less transparent. Less light is able to pass through the lens, and that affects your vision. A cataract is much like a foggy window you can't see through clearly.

How will a cataract impact my life?

A cataract will increasingly impair your eyesight. Untreated, it can even lead to blindness. As the cataract advances, the quality of your vision will gradually diminish – which may affect your quality of life because you may no longer be able to fully partake in the activities and pleasures that make life enjoyable.

TYPICAL CATARACT SYMPTOMS

- Gradual deterioration in vision quality
- Hazy or cloudy vision
- Faded color and contrast perception
- Increased sensitivity to bright light
- Frequent changes of eyeglass prescription

Normal vision Vision with a cataract

HOW IS A CATARACT TREATED?
WITH A SAFE AND EFFECTIVE PROCEDURE.

Modern cataract treatment

A cataract cannot be treated with medication or corrected with eyeglasses. The cloudy cataract lens must be surgically removed. Cataract surgery is the most frequently performed surgical procedure in the world. It is widely regarded as safe and effective.

The procedure is usually performed on a comfortable outpatient basis using local anesthesia and takes about 15 to 30 minutes. The cloudy natural lens is gently removed through a tiny incision at the edge of the cornea. It is replaced by a very small artificial lens (called an intraocular lens) that is implanted through the same incision.

Intraocular lenses (IOLs) are made of a soft transparent synthetic and biocompatible material. The lens cannot be seen or felt in the eye. Intraocular lenses may have one or more focal points, simulating the visual properties of the natural lens so that you can enjoy better vision after surgery.

The most common type of intraocular lens has a **monofocal** optic with a single corrective power. These lenses provide good vision at one distance, usually far. There are also **bifocal** lenses that focus at two distances – generally near and far. However, patients with monofocal and bifocal IOLs need to continue to wear glasses for certain activities such as computer work.

TREATMENT STEPS

1

SURGERY PREPARATION
Eye measurements to calculate the correct intraocular lens

2

OUTPATIENT SURGERY
Same-day procedure with a local anesthetic such as eye drops

3

FOLLOW-UP VISITS
First day after surgery, then for approx. a month, as needed

4

REGULAR EXAMINATIONS
Periodic check-ups by your eye doctor

WHAT MAKES
TRIFOCAL
LENSES BETTER?
GOOD VISION AT
ALL DISTANCES.

Trifocal intraocular lenses for all activities

As one of the latest developments in IOL technology **TRIFOCAL INTRAOCULAR LENSES** offer the possibility of seeing clearly across the entire vision range – near, intermediate, and far distances – without glasses or contact lenses, and without visual gaps in between. As a result, patients with trifocal lenses may enjoy more comfort and flexibility in their daily life.

Trifocal IOLs enable good distance and near vision. What sets these special lenses apart is that they also provide good intermediate vision, which is needed for numerous daily tasks such as shopping, cooking or working at the computer.

Patients with trifocal IOLs can comfortably pursue most activities such as reading, watching TV, driving or participating in sports without glasses or contact lenses.

WHAT OTHER BENEFITS DO TRIFOCAL LENSES OFFER?
THE CHANCE OF NOT NEEDING GLASSES ANYMORE.

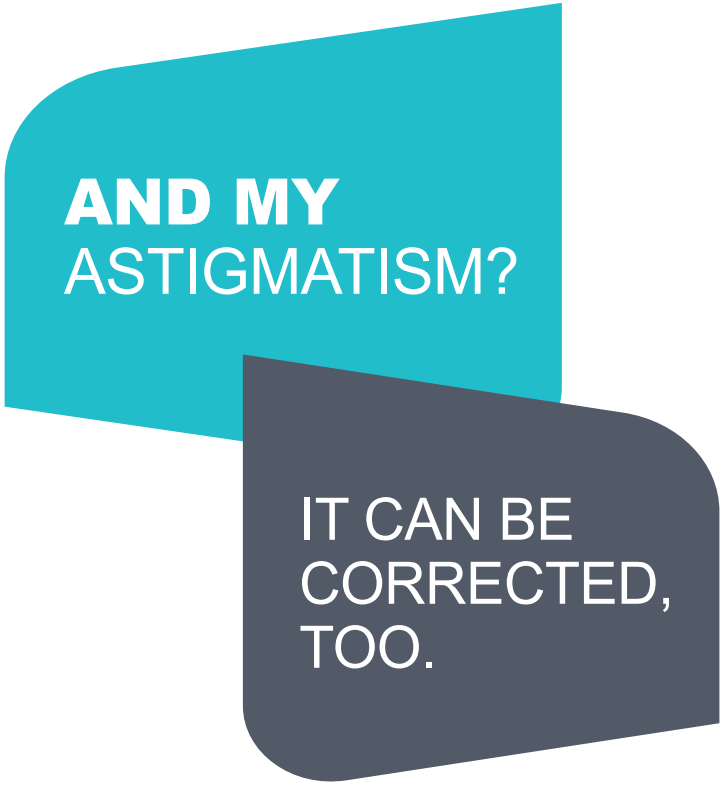
Freedom from glasses, at any age

Many patients view the possibility of never having to wear glasses again as truly liberating. During the daytime, trifocal IOLs provide an almost natural viewing experience over the entire vision range. At night and in poor lighting conditions, undesirable visual phenomena such as light sensitivity can occur after surgery, but usually these disappear within a few weeks as the brain adjusts to the new vision. In some cases, certain light effects such as halos and glare can cause difficulties while driving at night. Adjustment to trifocal intraocular lenses can vary from person to person, as can the experienced vision quality. Although many factors must be considered, there is a good chance of not needing glasses anymore.

Presbyopia treatment

Trifocal lenses are also effective for treating another common age-related vision disorder: presbyopia, which affects nearly everyone after the age of 40. With presbyopia and aging, the lens of the eye starts to become less flexible, causing a reduced capability to correctly focus on objects, particularly up close. Patients with presbyopia find it difficult to read small print, for example, and therefore need to use reading glasses. Presbyopia often appears and affects vision years before a cataract begins to develop.

Trifocal lenses can successfully treat presbyopia along with cataracts.



Astigmatism correction

People diagnosed with cataracts frequently also have other vision disorders. Refractive impairment such as nearsightedness, farsightedness and astigmatism are very common, at any age.

What is astigmatism?

Astigmatism occurs when the cornea at the front of the eye has an irregular (slightly oval) shape. It causes objects at different distances to appear skewed or distorted. Normally, astigmatism is corrected with eyeglasses fitted with cylindrical (toric) lenses or with special contact lenses.

Toric trifocal lenses

Trifocal intraocular lenses are also available in a toric version. This type of lens is designed specifically to correct astigmatism – thereby, offering these patients the nearest thing to natural vision.

ARE **TRIFOCAL LENSES** THE RIGHT CHOICE FOR ME?
WE CAN HELP YOU DECIDE.

When your eyesight is at stake, you want the best treatment option possible. Trifocal intraocular lenses from ZEISS set new standards in cataract treatment. Their excellent visual qualities have helped to greatly improve the vision of numerous patients affected by cataracts worldwide. **AT LISA tri** and **AT LISA tri toric** from ZEISS are ideally suited for people wanting to enjoy clear vision and an active lifestyle without glasses.

Our team of cataract specialists has relied on highly advanced ZEISS trifocal IOL technology for years in restoring age-related vision loss. ZEISS is one of the most trusted and respected precision optics brands and one of the world's leading brands in the field of medical technology. The company has a long tradition of manufacturing high-quality lenses for everything from glasses to cameras, telescopes, binoculars and intraocular lenses.

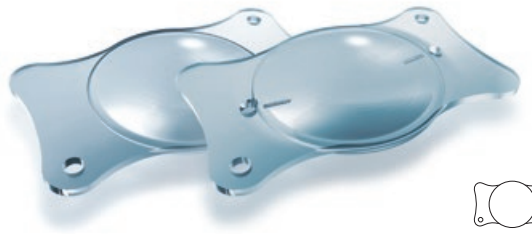
Our extensive treatment expertise combined with advanced medical products form the basis for achieving the best possible outcomes for patients. Consult our specialists to see whether a trifocal IOL is the right option for you.

ZEISS

Designed for best vision results
Benefits of AT LISA tri lenses

- Three focal points for clear vision at various distances: near, intermediate and far
- Correction of existing vision disorders, including astigmatism and presbyopia
- 93%* of patients treated with ZEISS AT LISA tri lenses no longer require glasses

*Data available upon request



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ZEISS AT LISA tri lenses and the actual size of the IOL

Feel free to contact our team
if you have any questions.

Daniel Gore Eye Surgeon

Mr Daniel Gore MD FRCOphth
Consultant Ophthalmic Surgeon, External Disease & Refractive Services,
Moorfields Eye Hospital

Moorfields Private Outpatient Clinic
9-11 Bath Street
London
EC1V 9LF

Telephone: 0203 984 7859 **Email:** enquiries@danielgore.com

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